



# MOHAN KELKAR

President

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## EDUCATION

B.S., Chemical Engineering, 1979, University of Bombay, INDIA  
M.S., Petroleum Engineering, 1981, University of Pittsburgh, PA, USA  
Ph.D., Chemical Engineering, 1982, University of Pittsburgh, PA, USA  
J.D., 1989, The University of Tulsa, OK, USA

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## RELEVANT EXPERIENCE

*Assistant Professor, The University of Tulsa, 1983-1987*

*Associate Professor, The University of Tulsa, 1987-1996*

*Professor, The University of Tulsa, 1996-Present*

Taught various undergraduate and graduate courses in Petroleum Engineering. Have worked with small and large oil companies in the area of integrated reservoir characterization. Developed new technologies for integrating geological and geophysical data, as well as production data. The work funded by both Department of Energy and various domestic and international oil companies.

*President, Kelkar and Associates, Inc., 1994-Present*

Involved in reservoir description field projects and integrated studies. Successfully implemented new state-of-the-art technologies in field applications. Developed improved static and dynamic reservoir descriptions. Worked with both carbonate and clastic reservoirs; fractured and non-fractured reservoirs; and faulted and non-faulted reservoirs. Recently, worked on the development of gas-shale reservoir (Woodford Shale) in Oklahoma for Newfield Company, analyze the simultaneous fracturing for Bakken Shale (for Marathon), and Barnett Shale (Williams Company). Developed new methodology for evaluating in fill potential in tight gas reservoir (Pinedale and Wamsutter Fields, Wyoming). Developed, appropriate, fit-for-purpose, technologies for improving reservoir performance.

*Instructor, OGCI, 1989 - Present*

Developed a course on Application of Geostatistics for Reservoir Description and Gas Production Engineering. Successfully taught this course in public settings as well as in-house settings in various countries.

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## KEY PUBLICATIONS

Kelkar, M. and Perez, G: "Applied Geostatistics for Reservoir Characterization", *Society of Petroleum Engineers Publication, Richardson, TX (2002) Best Seller.*

Aasum, Y., Kelkar, B.G. and Gupta, S.P.: "An Application of Geostatistics and Fractal Geometry for Reservoir Characterization," *SPE Formation Evaluation (March, 1991) pp 11.*

Aasum, Y., Kasap, E. and Kelkar, B.G.: "Analytical Upscaling of Small Scale Permeability Using a Full Tensor", *Journal of Petroleum Geoscience (1995) pp 365.*

Hird, K.B., and Kelkar, B. G. : "Conditional Simulation Method for Reservoir Descriptio Using Spatial and Well Performance Constraints", *SPE Reservoir Engineering (May, 1994) pp 145.*

Sagar, R., Kelkar, B.G. and Thompson, L.G.: "Reservoir Description by Integrating Well Test Data and Spatial Statistics," *SPE Formation Evaluation (December, 1995) pp 267.*

Gajraj, A. and Kelkar, B.G.: "Simultaneous Fine and Coarse Scale Reservoir Description Using Static and Dynamic Data," *In Situ (1996).*

Bahar, A. and Kelkar, M.: "Journey from Well Logs/Cores to Integrated Geological and Petrophysical Properties Simulation: A Methodology and Application," *SPE Reservoir Evaluation and Engineering (October 2000) pp 444.*

Kelkar, M.: "Application of Geostatistics for Reservoir Characterization – Accomplishments and Challenges", Distinguished Author Series, *Journal of Canadian Petroleum Technology, Vol. 39, No. 7 (July 2000).*